

Installation Preparations

Use extreme caution at all times!

You are doing open heart surgery on a 30+ year old electronic instrument. One ESD discharge can fry any one of the vintage IC's on the main board! **BE VERY CAREFUL!**



Bassmobile

Eventide H3000 "FOREVER RAM"

When you feel a static shock from touching something, that zap is in the area of 3000 - 4000 volts!

As little as 10 volts discharged can damage an EPROM, causing your H3000 to have a serious malfunction. You can damage an EPROM without even feeling a static shock. Please read this page carefully and follow these steps to minimize electrostatic discharge!

DISCLAIMER: You agree to release Bassmobile llc, its agents and assigns from all claims of liability, loss or damage of property related to the purchase and utilization of this product by any means. Use at your own risk.

TIPS TO AVOID ELECTROSTATIC DISCHARGE:

- Gather all the tools you need before installing your FOREVER RAM.
- Avoid moving around the room to get things. It brings the possibility of static buildup and discharge.
- Don't work on carpeted floors.
- Touch the metal case to discharge static before you touch any interior circuitry.
- Always avoid touching circuit board components.
- Wear an anti-static bracelet or other anti-static device if you have it.

Carefully follow the steps above and your installation should be a success!

Typical EPROM Extraction tools



REMOVING AND INSERTING SOCKETED EPROMS:

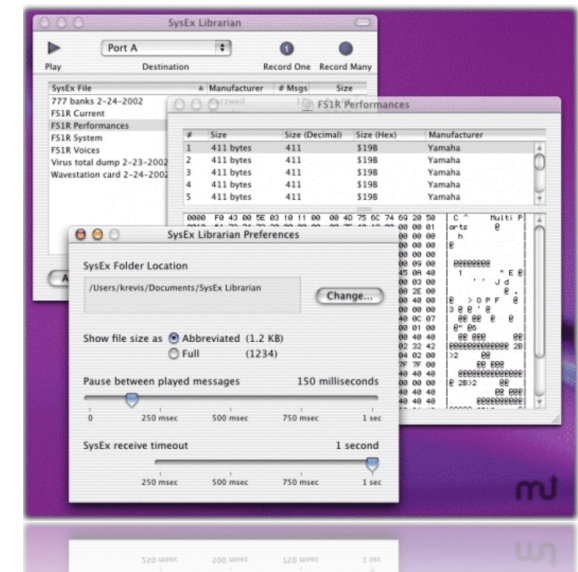
To remove the DALLAS BBSRAM it is recommended that you use an EPROM extraction tool designed for removing IC's.

Alternatively: Insert a small flathead screwdriver underneath one side of the DS1225. Carefully pry up a little bit on one end, Then insert the screwdriver under the other side and pry up a little bit. Alternate sides until the IC is loose and you are able to remove it with your fingers.

BACKUP PRESETS:

Save a back-up of all your presets! This upgrade procedure may cause all of your presets to be erased. If you have a computer with "MIDI Librarian" software, transfer them to the computer as described in the H3000 manual.

SYSEX Librarian for Mac OS



Eventide - FOREVER RAM

Upgrade Guide:

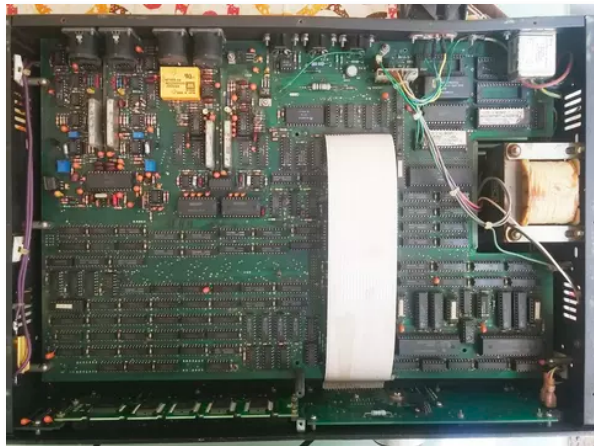
Tools used:

- Screw driver kit
- EPROM Puller



1. Open the steel enclosure.

Unplug the H3000. Remove all Phillips screws around the top panel edges, remove the top sheet metal cover and set aside.



View inside with top cover removed

3. Remove the DALLAS DS1225x

Once you've located the Dallas DS1225 BBSRAM module, use the methods described on the previous page to carefully extract it from the socket on the mainboard.



Location of DS1225 on mainboard

NOTE: On some very early H3000 units this DS1225 BBSRAM module may be soldered onto the Mainboard. If this is the case, you should contact a Bassmobile technician for further tech support.

Send an email to "techsupport@bassmobile.org" and include your H3000 Serial number and the purchase order number.

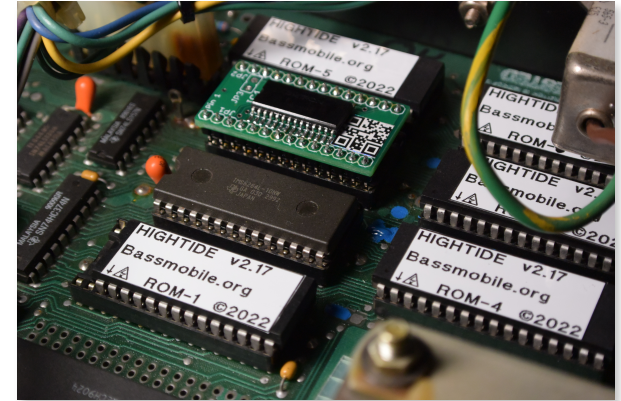


DALLAS DS1225 after removal

4. Install the Forever RAM module.

Place the new Forever RAM into the IC Socket where you removed the Dallas IC.

Take extra precautions to ensure that you insert it with **PIN 1** aligned properly! The notch will be oriented the same as the other OS EPROM. See photo below for placement reference.



FOREVER RAM installed in Eventide H3000

PRO TIP: Make a quick check of your work, and plug in the H3000 to perform a quick power on test. Check the display. If all looks good, proceed.

5. Reassemble & Restore backup

That's it. Put your H3000 back together, the way it came apart, restore the patches via the MIDI Sysex that you backed up and enjoy.

With your new Forever RAM installed, you can save you patch data and never worry about making a backup ever again. Your patch data will be stored in the FRAM IC on the upgrade with no need for a backup battery.

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